

Approval Sheets

Approved by

Item: Split Core Current Transformer

Description: ϕ 10mm, 60A, 10 Ω , 1000:1

PN.: ZEMCTK05-24A (20cm length)

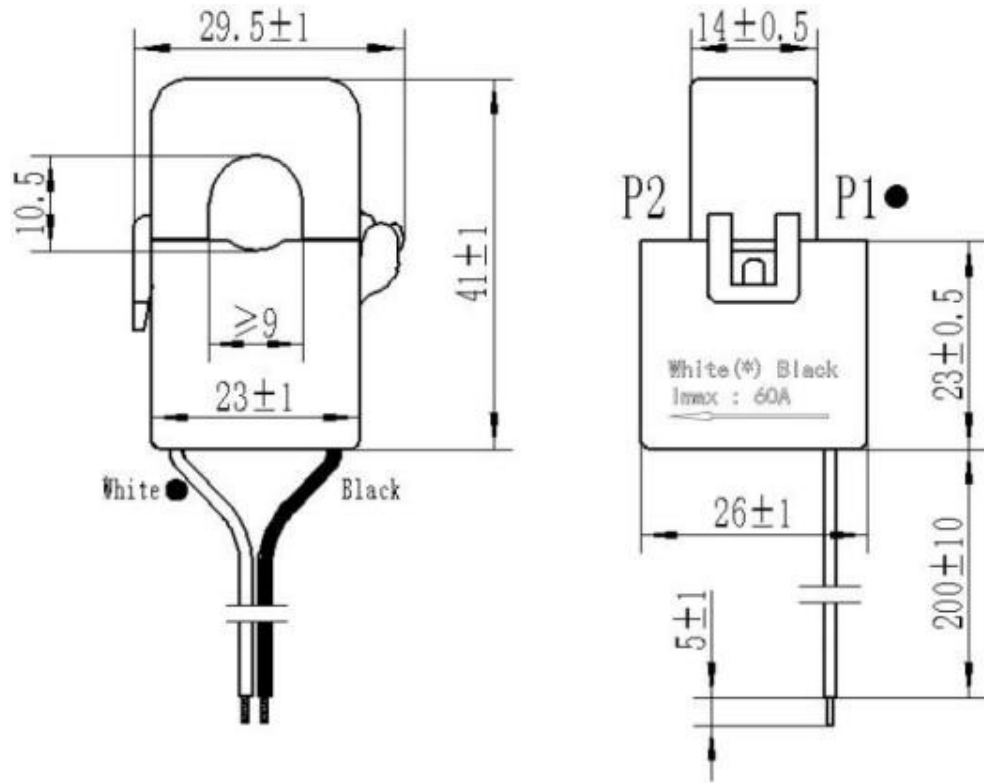
Design by	Check by	Approved by

1. Specification

Characteristics	Values
Primary current I_p	5A
Maximum primary operating current I_{max}	60A
Secondary current	5mA
Sampling resistor R_B	10 Ω
Operating frequency	50/60Hz
Operating temperature	-40C~+85C
Relative humidity	$\leq 95\%$
Turn ratio	1:1000
Accurate operating current range	$5\%I_p \sim I_{max}$
Accurate class	1.0
Power-frequency Withstand voltage	3kV/1min
Insulation resistance	$\geq 500M\Omega/500VDC$

Accuracy Class	With the percentage(%) of I_p			
	5	20	100	120
Ratio Error($\pm\%$)	1.5	0.75	0.5	0.5
Phase Displacement($\pm ' $)	120	90	90	90

2. Dimension

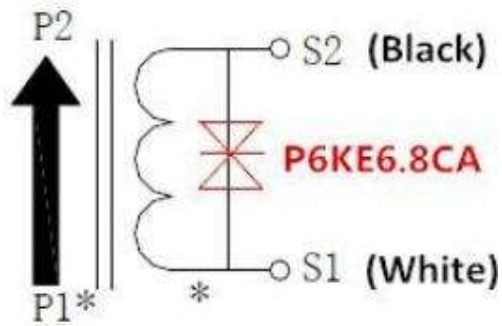


“*” means “same polarity”

Leading wires: UL1007, 22#, twisted pair

Unit: mm

3. Schematic Diagram



3. Material List

NO.	Material	Spec, model	UL code	SGS
1	Ferrite core	A10UU26.6L	- -	yes
2	Bobbin	Feiyue	E59481	yes
3	Case			
4	Tape	Flame retardant, Environmental protection	E165111	yes
5	Enameled wire	1000turns	E164502	yes
6	Outer covering	Environmental protection	E238981	yes
7	Leading wires	Black, white twisted pair	E315651	yes
8	Diode	P6KE6.8CA	/	yes